

* * NOTICES *

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DETAILED DESCRIPTION

[Detailed explanation of the device]

[0001]

[Industrial Application]

This design is especially related with the mounting structure of the suitable turntable for a disk player device with respect to the mounting structure of a solid of revolution.

[0002]

[Description of the Prior Art]

The situation of attachment of the conventional turntable is explained based on drawing 2 and drawing 3.

First, drawing 2 (a) shows the state of attachment by press fit, and drawing 2 (b) shows the state of attachment by adhesives.

[0003]

What is shown in drawing 2 (a) presses the axis 16 of the motor section 11 fit in the hole 18 formed in the center of the disc-like turntable 12.

[0004]

What is shown in drawing 2 (b) applies the adhesives 5 to the axis 16 of the motor section 11.

And the axis 16 is inserted in the hole 28 of the turntable 22 to the position applied to the adhesives 5. And it is the structure which the motor section 11 drives, torque gets across to the axis 16, and the turntable 22 also rotates.

At this time, the path of the hole 28 is formed almost identically to the path of the axis 16.

[0005]

[Problem(s) to be Solved by the Device]

However, in two devices shown in the above-mentioned conventional example, there are the following faults respectively. They are explained based on drawing 3.

Drawing 3 (a) shows the state with a group of the turntable 12 by press fit of drawing 2 (a), and drawing 3 (b) shows the state with a group of the turntable 22 which uses the adhesives of drawing 2 (b).

[0006]

When attached by the press fit shown in drawing 3 (a), stress occurred in the hole 18 at the time of press fit, the mounting surface 14 on which the disk 3 is put was influenced, and there was a fault that face deflection increased.

[0007]

Even when adhesives were used, as shown in drawing 3 (b), since the fitting accuracy of the axis 16 and the hole 28 was high, the adhesives 5 did not advance between the hole 28 and the axis 16, but there was a fault that adhesive strength became weak.

[0008]

The adhesives 5 flowed into the bearing of the motor section 11, and there was also a problem of having an adverse effect on the motor section 11.

[0009]

[Means for Solving the Problem]

In order to solve an aforementioned problem, this design consisted of an axis of a motor, a flange

pressed fit in this axis, a solid of revolution attached on said flange, and a means for detachable which makes this solid of revolution adhere to said flange.

It is characterized by said means for detachable being adhesives.

It is characterized by said solid of revolution being a turntable which lays a disk for record carriers.

[0010]

[Function]

According to this design, since it inserts each other in the axis of a motor without stress, the hole of a solid of revolution rotates a solid of revolution without face deflection.

Since a solid of revolution is fixed to the flange pressed fit in the axis by the means for detachable of adhesives etc., immobilization on the axis of a solid of revolution is also ensured.

[0011]

[Example]

Concrete working example of this design is shown below.

Drawing 1 is a figure showing working example of this design, and before signs that (a) is applied before press fit of the flange 7, and (b) applies the adhesives 5 on the flange 7, and (c) arrange the turntable 2 on the axis 6, (d) is a figure showing the state where the turntable 2 was attached, respectively.

[0012]

The flange 7 which formed the prescribed diameter in the axis 6 which extended from the motor section 1 by disc-like, and formed the hole near the center of owner *Perilla frutescens* (L.) Britton var. *crispa* (Thunb.) Decne. is pressed fit. And after pressing this flange 7 fit to the prescribed position of the axis 6, the adhesives 5 which are means for detachable are applied to the upper surface of the flange 7.

The hole 8 of the disc-like turntable 2 which is a solid of revolution is inserted in the axis 6 in this state.

And this turntable 2 is taken down to the position of the flange 7, and with the previous adhesives 5, the undersurface of the turntable 2 and the upper surface of the flange 7 are pasted up and adhered, as shown in drawing 1 (d).

In this state, since the hole 8 of the turntable 2 is mutually inserted in the axis 6 without stress, the turntable 2 rotates it without face deflection. For this reason, the disk 3 which is a disk for record carriers on the mounting surface 4 also rotates without face deflection.

Since the turntable 2 is fixed to the flange 7 pressed fit in the axis 6 by the adhesives 5, immobilization on the axis 6 of the turntable 2 is also ensured.

[0013]

[Effect of the Device]

Since this design was constituted as mentioned above, it does the following effects so.

(1) Since it constituted from the axis of a motor, a flange pressed fit in this axis, a solid of revolution attached on said flange, and a means for detachable which makes this solid of revolution adhere to said flange, the face deflection of a solid of revolution is lost.

(2) Since said means for detachable was constituted so that it might be adhesives, a solid of revolution is easily fixable.

Since adhesives are attached on a flange, adhesives flow and fall to a motor section, and they become, without having an adverse effect on a motor.

(3) Furthermore, since said solid of revolution was constituted so that it might be a turntable which lays the disk for record carriers, rotate with sufficient accuracy, therefore the performance of a disk of a product improves.

[Translation done.]

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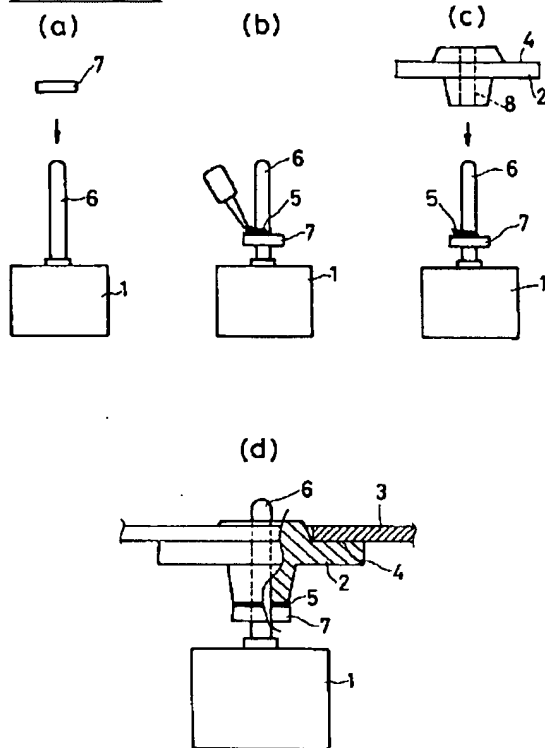
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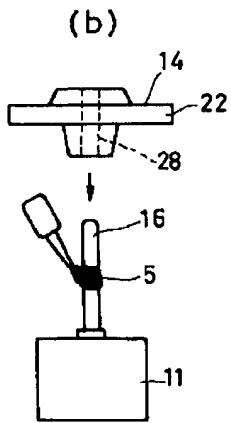
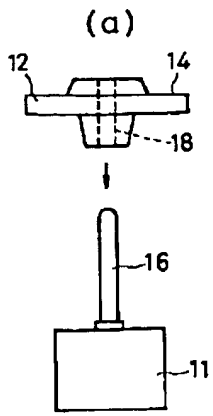
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DRAWINGS

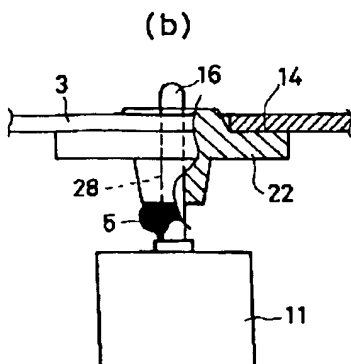
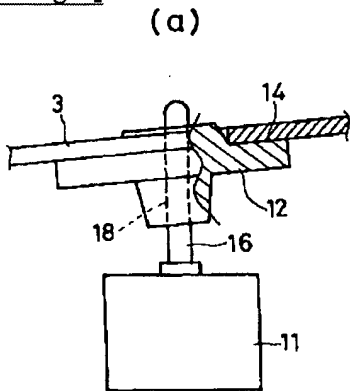
[Drawing 1]



[Drawing 2]



[Drawing 3]



[Translation done.]